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MONTHLY BULLETIN

OF

# THE OBSERVATORY

## AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

## SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

JANUARY, 1926

J. A. BROWN, DIRECTOR

Printed at the American Press.
Beirut, Syria

5347

LIBRARY

N.O.A.A
U S Dept of Commerce

# JANUARY 1926
# METEOROLOGICAL REGISTER

| Date | Barometer reduced to O C Sea level and 45° Latitude | | | | Thermometer Cent. (Corrected) | | | Bright Sun-shine | Rain |
|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 2:30 | 8:30 | Mean | Max. | Min. | Min on grass | hrs. | m.m. |
| 1 | 766.0 | 764.4 | 764.0 | 764.8 | 17.9 | 12.2 | | 4.9 | |
| 2 | 59.8 | 57.0 | 58.0 | 58.3 | 18.6 | 13.8 | | 0.0 | 11.17 |
| 3 | 62.3 | 62.5 | 63.5 | 62.8 | 16.0 | 14.5 | | 6.1 | |
| 4 | 3.0 | 0.3 | 0.3 | 1.2 | 16.3 | 11.7 | | 6.2 | |
| 5 | 1.6 | 1.8 | 4.2 | 2.5 | 18.3 | 12.9 | | 5.0 | |
| 6 | 5.1 | 3.6 | 3.5 | 4.1 | 18.9 | 12.9 | | 8.8 | |
| 7 | 2.2 | 2.5 | 2.3 | 2.3 | 19.4 | 14.9 | | 6.9 | |
| 8 | 1.2 | 59.7 | 1.2 | 4.0 | 17.2 | 12.2 | | 5.6 | 13.40 |
| 9 | 1.3 | 60.1 | 0.0 | 0.5 | 16.3 | 10.2 | | 1.6 | 3.56 |
| 10 | 0.6 | 58.6 | 59.8 | 59.7 | 14.6 | 10.6 | | 0.0 | 27.22 |
| 11 | 59.9 | 8.4 | 7.6 | 8.6 | 14.6 | 10.0 | | 0.0 | 7.41 |
| 12 | 60.9 | 62.2 | 63.5 | 62.2 | 14.6 | 8.9 | | 0.0 | 30.86 |
| 13 | 6.2 | 7.7 | 9.6 | 7.8 | 13.2 | 9.1 | | 0.7 | 23.10 |
| 14 | 71.0 | 9.4 | 9.0 | 9.8 | 15.7 | 9.8 | | 7.1 | |
| 15 | 67.4 | 6.0 | 5.8 | 6.4 | 17.0 | 11.2 | | 1.8 | |
| 16 | 4.5 | 2.5 | 1.0 | 2.7 | 15.2 | 13.3 | | 0.0 | 6.94 |
| 17 | 58.0 | 55.6 | 55.3 | 56.3 | 18.9 | 11.6 | | 0.0 | 4.54 |
| 18 | 6.3 | 4.0 | 4.8 | 5.0 | 18.1 | 13.1 | | 0.0 | 25.40 |
| 19 | 4.6 | 3.2 | 0.3 | 2.7 | 14.7 | 11.5 | | 0.0 | 67.54 |
| 20 | 8.4 | 60.1 | 62.2 | 60.2 | 16.1 | 10.0 | | 2.9 | 11.09 |
| 21 | 64.1 | 3.7 | 5.3 | 4.4 | 17.0 | 11.7 | | 0.1 | 0.51 |
| 22 | 5.4 | 4.2 | 4.5 | 4.7 | 18.1 | 13.1 | | 4.9 | |
| 23 | 4.1 | 2.7 | 3.4 | 3.4 | 17.7 | 12.3 | | 9.4 | |
| 24 | 1.3 | 59.4 | 59.9 | 0.2 | 18.1 | 12.8 | | 9.6 | |
| 25 | 2.4 | 62.8 | 64.8 | 3.3 | 15.8 | 11.9 | | 1.0 | 2.54 |
| 26 | 5.7 | 4.6 | 4.8 | 5.0 | 17.8 | 11.6 | | 6.4 | 0.25 |
| 27 | 4.2 | 4.4 | 5.4 | 4.7 | 16.3 | 10.4 | | 5.4 | 21.96 |
| 28 | 5.4 | 3.9 | 3.7 | 4.3 | 16.8 | 11.6 | | 0.0 | |
| 29 | 0.5 | 1.9 | 59.9 | 0.8 | 18.1 | 13.3 | | 2.6 | |
| 30 | 2.8 | 3.2 | 64.2 | 3.4 | 16.2 | 11.7 | | 1.3 | 10.67 |
| 31 | 4.2 | 3.0 | 3.8 | 3.7 | 16.0 | 12.6 | | 0.0 | 7.62 |
| | 762.59 | 761.72 | 762.12 | 762.24 | 16.76 | 11.82 | | 3.17 | 275.81 |

BAROMETER

Maximum 771.0 on 14th

Minimum 750.3 on 19th

THERMOMETER

Maximum 19.4 on 7th

Minimum 8.9 on 12th

RAINFALL

Maximum 67.54 mm. on 19th

Number of days with rain 18, thunderstorms 2, gales 4

# JANUARY 1926

## METEOROLOGICAL REGISTER

| Date | Dry Bulb Cent. (Corrected) | | | | Wet Bulb Cent. (Corrected) | | | Elasticity of Vapor m.m. | | | | Relative Moisture per cent. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8.30 | 2.30 | 8:30 | Mean | 8:30 | 2:30 | 8:30 | 8:30 | 2;30 | 8:30 | Mean | 8:30 | 2:30 | 8:30 | Mean |
| 1 | 14.3 | 17.7 | 15.2 | 15.7 | 11.1 | 14.0 | 13.8 | 8.1 | 7.2 | 10.9 | 8.7 | 67 | 64 | 85 | 72 |
| 2 | 16.7 | 18.3 | 16.0 | 17.0 | 14.3 | 14.1 | 12.6 | 10.6 | 9.5 | 9.0 | 9.7 | 76 | 60 | 67 | 68 |
| 3 | 14.9 | 15.4 | 11.9 | 14.1 | 10.5 | 11.7 | 9.7 | 7.3 | 8.2 | 7.7 | 7.7 | 57 | 63 | 73 | 64 |
| 4 | 13.3 | 16.1 | 14.8 | 14.7 | 9.6 | 11.6 | 11.3 | 7.1 | 7.8 | 8.2 | 7.7 | 61 | 57 | 65 | 61 |
| 5 | 15.3 | 16.3 | 14.7 | 15.4 | 11.4 | 13.6 | 11.1 | 8.0 | 9.9 | 8.0 | 8.6 | 62 | 72 | 64 | 66 |
| 6 | 15.3 | 17.7 | 16.1 | 16.4 | 10.8 | 13.3 | 10.6 | 7.4 | 8.9 | 6.8 | 7.7 | 57 | 59 | 50 | 55 |
| 7 | 16.9 | 15.6 | 14.2 | 15.6 | 12.2 | 12.7 | 11.7 | 8.1 | 9.2 | 8.9 | 8.7 | 57 | 70 | 74 | 67 |
| 8 | 13.6 | 16.6 | 11.2 | 13.8 | 12.2 | 12.5 | 9.2 | 9.7 | 8.6 | 7.6 | 8.6 | 84 | 62 | 77 | 74 |
| 9 | 12.8 | 15.3 | 14.9 | 14.3 | 10.4 | 11.5 | 11.2 | 8.1 | 8.1 | 7.9 | 8.0 | 74 | 63 | 62 | 66 |
| 10 | 12.1 | 12.7 | 12.3 | 12.4 | 10.0 | 11.4 | 10.7 | 7.9 | 9.3 | 8.6 | 8.6 | 75 | 86 | 80 | 80 |
| 11 | 13.0 | 12.7 | 11.1 | 12.3 | 10.8 | 11.5 | 9.7 | 8.6 | 9.4 | 8.1 | 8.7 | 80 | 86 | 82 | 83 |
| 12 | 10.6 | 12.2 | 10.2 | 11.0 | 9.7 | 15.3 | 9.9 | 8.4 | 7.6 | 9.0 | 8.3 | 88 | 72 | 96 | 85 |
| 13 | 12.1 | 12.4 | 11.1 | 11.9 | 11.2 | 11.6 | 9.0 | 9.3 | 9.6 | 7.4 | 8.8 | 88 | 90 | 75 | 84 |
| 14 | 12.6 | 15.1 | 12.1 | 13.3 | 9.7 | 10.7 | 9.2 | 9.9 | 7.3 | 7.2 | 8.1 | 68 | 57 | 68 | 64 |
| 15 | 12.9 | 16.7 | 12.9 | 14.2 | 9.9 | 13 1 | 11.4 | 7.6 | 9.1 | 8.9 | 8.5 | 69 | 65 | 77 | 70 |
| 16 | 13.0 | 13.2 | 14.2 | 13.5 | 12.2 | 10.7 | 10.5 | 10.1 | 8.2 | 7.6 | 8.6 | 90 | 72 | 63 | 75 |
| 17 | 16.0 | 17.5 | 17.2 | 16.9 | 12.8 | 12.9 | 12.2 | 9.1 | 8.6 | 8.0 | 8.6 | 68 | 58 | 55 | 60 |
| 18 | 13.9 | 15.8 | 14.4 | 14.7 | 11.7 | 12.9 | 13.0 | 8.9 | 9.3 | 10.3 | 9.5 | 75 | 70 | 83 | 76 |
| 19 | 11.7 | 10.6 | 12.1 | 11.5 | 10.4 | 10.2 | 11.6 | 8.7 | 9.0 | 9.8 | 9.2 | 85 | 95 | 93 | 91 |
| 20 | 13.0 | 15.6 | 14.3 | 14.3 | 11.0 | 11.1 | 10.7 | 8.7 | 7.6 | 7.7 | 8.0 | 78 | 58 | 63 | 66 |
| 21 | 13.4 | 16.2 | 14.1 | 14.6 | 11.1 | 12.8 | 12.6 | 9.1 | 9.1 | 10.0 | 9 4 | 79 | 67 | 83 | 76 |
| 22 | 14.9 | 17.3 | 13.8 | 15.3 | 11.4 | 14.2 | 12.4 | 8.2 | 10 2 | 9 9 | 9.4 | 64 | 70 | 84 | 73 |
| 23 | 14.4 | 17.2 | 14.5 | 15.4 | 12.1 | 14.2 | 13.2 | 9.2 | 10.3 | 10.5 | 10.0 | 75 | 70 | 85 | 77 |
| 24 | 14.9 | 17.9 | 14.8 | 15.9 | 12.1 | 13 6 | 11.9 | 8.9 | 9.1 | 8 8 | 8.9 | 71 | 60 | 70 | 67 |
| 25 | 13.8 | 14.2 | 12.4 | 13.5 | 11.8 | 12.3 | 11.4 | 9.2 | 9 6 | 9.3 | 9.4 | 78 | 79 | 85 | 81 |
| 26 | 14.8 | 16.7 | 15 4 | 15.6 | 12.4 | 14.1 | 12.9 | 9.3 | 10.4 | 9.0 | 9.8 | 74 | 73 | 73 | 73 |
| 27 | 11.9 | 15.8 | 12.8 | 13.5 | 9.9 | 12.9 | 11.1 | 8.0 | 9.4 | 8.8 | 8.7 | 77 | 70 | 80 | 76 |
| 28 | 13.8 | 16.3 | 14.2 | 14.8 | 10.1 | 13 2 | 12.3 | 7.3 | 9 5 | 9.5 | 8 8 | 63 | 69 | 79 | 70 |
| 29 | 14.3 | 17.1 | 15.6 | 15.7 | 11.6 | 13.9 | 13.3 | 8.7 | 9.9 | 10.0 | 9 5 | 72 | 68 | 76 | 72 |
| 30 | 12.7 | 15.8 | 13.9 | 14.1 | 11.9 | 12.8 | 10.7 | 9.9 | 9 2 | 7.9 | 9.0 | 92 | 69 | 67 | 76 |
| 31 | 15.6 | 15.9 | 13.8 | 15.1 | 12.9 | 13.5 | 12.7 | 9.6 | 10.1 | 10.2 | 10 0 | 73 | 76 | 87 | 79 |
| | 13 82 | 15 61 | 13.75 | 14.40 | 11.29 | 12 71 | 11.41 | 8.68 | 9.01 | 8.78 | 8.81 | 73.5 | 69 4 | 74.9 | 72.5 |

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1·70 m

Height of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m

Gravity Correction — 0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

# JANUARY 1926
# METEOROLOGICAL REGISTER

| Date | Clouds. Clear—0 Overcast—10 | | | | Direction and force of Wind 0—10 | | | Wind per day | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 2:30 | 8:30 | Mean | 8:30 | 2:30 | 8:30 | Km. | | |
| 1 | 2 | 8cu n | 9cu n | 6.3 | 2e | 2 | 1e | 96.6 | calm | |
| 2 | 9cu n | 9cu n | 8cu n | 8.6 | 6se | 8 | 8w | 597.0 | rough | gale |
| 3 | 3 | 5 | 7 | 5.0 | 3e | 0 | 0 | 545.0 | slight | |
| 4 | 3 | 10cu n | 10cu n | 7.6 | 1ne | 2n | 0 | 207.5 | calm | |
| 5 | 4 | 4cu cin | 2cu ci | 3.3 | 1e | 5 | 2e | 59.4 | ,, | |
| 6 | 1 | 4cu ci | 1 | 2 0 | 1e | 2e | 1e | 93.3 | ,, | lightn.p.m. |
| 7 | 2 | 4cu n | 2cu n | 2.6 | 1e | 7 | 2e | 227.5 | slight | gale lightn. |
| 8 | 4cu cin | 9cu n | 3cu n | 5.3 | 2e | 6 | 2e | 205.5 | v. slight | gale lightn. |
| 9 | 7cu cin | 5cu ci | 7cu n | 6 3 | 3w | 4 | 4 | 326.6 | ,, | |
| 10 | 10cu n | 10n | 9n | 9.6 | 6 | 6 | 6s | 780 5 | rough | lightning |
| 11 | 10n | 9cu n | 10n | 9.6 | 5e | 7e | 5e | 671.3 | ,, | lightning |
| 12 | 8cu n | 10cu n | 10n | 9.3 | 3 | 4 | 3w | 481.8 | slight | th. storm |
| 13 | 8cu n | 5cu cin | 3 | 5.3 | 3e | 1e | 2se | 372.5 | ,, | |
| 14 | 2 | 7cu ci | 3 | 4.0 | 2se | 2w | 2e | 93.9 | calm | |
| 15 | 7cu cin | 7cuci | 7cu n | 7.0 | 1e | 1 | 0 | 30.5 | ,, | lightning |
| 16 | 10n | 10cu n | 10n | 10.0 | 2ne | 2e | 4s | 239.5 | ,, | |
| 17 | 10n | 10n | 10 n | 10.0 | 0 | 6 | 5 | 420.6 | v slight | lightn. gale |
| 18 | 9cu n | 9cu n | 10 n | 9.3 | 2e | 7 | 5 | 624.3 | rough | th. lightn. |
| 19 | 10n | 10n | 10 n | 10.0 | 1e | 1nw | 5 | 471.4 | ,, | fog.th.light. |
| 30 | 8cu n | 6cu n | 7cu n | 7.0 | 5w | 4w | 1e | 636.4 | ,, | |
| 21 | 9cu n | 10cu cin | 10cu n | 9.6 | 1e | 3 | 3w | 113.6 | calm | a few drops |
| 22 | 9cu cin | 7cu ci | 2ci | 6.0 | 1e | 1e | 1e | 87.9 | ,, | |
| 23 | 1ci | 1 | 4 | 2.0 | 0 | 1nw | 1e | 24.0 | ,, | dew |
| 24 | 1 | 2 | 3 | 2.0 | 0 | 2nw | 1se | 53.0 | ,, | dew th, st. |
| 25 | 8cu cin | 9cu n | 10cu n | 9.0 | 1e | 1 | 1se | 93.5 | ,, | |
| 26 | 3 | 8cu n | 7cu n | 6.0 | 1 | 2 | 1 | 77.5 | ,, | |
| 27 | 3cu ci | 6cu n | 0 | 3.0 | 2e | 2 | 1e | 196.6 | ,, | |
| 28 | 7cu ci | 9cu ci | 9cu ci | 8.3 | 2e | 1w | 1ne | 56.5 | ,, | |
| 29 | 7cu ci | 7cu n | 5cu ci | 6.3 | 2e | 2 | 1 | 228.0 | ,, | |
| 30 | 10 n | 6 | 1 | 5 6 | 1 | 4n | 1 | 33.3 | ,, | thunder |
| 31 | 10cu n | 10cu n | 5 | 8.3 | 2 | 3 | 1se | 215.6 | v. slight | |
| | | | | 6.59 | | | | 205.21 | | |

NUMBER OF DAILY WIND OBSERVATIONS

| Time | N | NE | E | SE | S | SW | W | NW | Calm |
|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 0 | 2 | 17 | 2 | 0 | 5 | 2 | 0 | 3 |
| 2:30 | 2 | 0 | 5 | 0 | 0 | 17 | 3 | 3 | 1 |
| 8:30 | 0 | 1 | 11 | 4 | 2 | 7 | 3 | 0 | 3 |
| Totals | 2 | 3 | 33 | 6 | 2 | 29 | 8 | 3 | 7 |

N. B. — Cloud numbers without letters are all cu
Wind ,, ,, ,, ,, sw